

Representative values of parameters are given in the tables below, measured experimentally. If the required parameters are not measured, they can be set to an arbitrary, self-chosen number.

Parameter	Description	representative value
C_M	Carrying capacity tumor cells	10^4 mm^3
d_c	Natural death rate tumor cells	0.103 /day
b	Death rate of the cancer cells due to chemotherapy	0.1685 /day
λ_{ce}	Proliferation rate of the tumor cells	0.4579 /day
d_d	Clearance of the chemotherapeutic	0.1825 /day
b_k	Clearance of the chemotherapeutic (when binding to the cancer cells)	$1.0839 \cdot 10^{-6} \text{ mg/ml.day.mm}^3$
E_{thres}	Endothelial threshold (below which hypoxic)	4.5 mm^3
λ_e	Proliferation rate endothelial cells	0.03 /day
E_M	Carrying capacity endothelial cells	10 mm^3
d_e	Natural death rate endothelial cells	0.05 /day
d_v	decay rate of VEGF	0.1 /day
d_b	Clearance of anti-VEGF drug	0.05 /day
λ_{v0}	Baseline VEGF secretion by tumor cells	$10^{-3} \text{ mg/ml.day.mm}^3$
k	Rate of VEGF-induced proliferation	1/day
μ_B	removal of VEGF (when binding to anti-VEGF drug)	10 ml/day.mg
μ_{Bk}	Clearance of the anti-VEGF drug (when binding to VEGF)	0.15 ml/day.mg
T	Body temperature	37 °C
	Chemotherapeutic dose	0.002-0.05 mg/ml
	Endothelial cell density in small tumors	$0.5\text{-}3 \text{ mm}^3$
	VEGF concentration in small tumors	0.5-1.5 mg/ml
	Anti-VEGF drug dose	0.003-0.07 mg/ml